PIM3 recombinant protein

PIM3, Active

CATALOG #	HOST	APPLICATIONS
AAA73826	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

PIM3; Active; Kid1; MGC27707; MGC37517; PIM3 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PIM3 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Mouse
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PIM3 recombinant protein	Recombinant full-length mouse PIM3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The PIM3 gene accession number is NM_145478. PIM3 or pim-3 oncogene belongs to a family of protooncogenes that encode serine/threonine protein kinases (1). Pim-3 expressed in hepatocellular carcinoma development and plays a main role in the proliferation of human hepatoma cell lines (2). Pim-3 also expressed in human pancreatic cancer cell and phosphorylates BAD to block Bad-mediated apoptosis in human pancreatic cancer cell lines (3).
Product Categories/Family for PIM3 recombinant protein	Protein Kinases; Apoptosis/Autophagy; Cancer; Cellular Stress; Inflammation; Neurobiology; Ser/Thr Kinases

References	1. Mikkers, H. et.al: Mice deficient for all PIM kinases display reduced body size and impaired responses to hematopoietic growth factors. Molec. Cell. Biol. 24: 6104-6115, 2004. 2. Fujii, C. et.al: Aberrant expression of serine/threonine kinase Pim-3 in hepatocellular carcinoma development and its role in the proliferation of human hepatoma cell lines. Int. J. Cancer 114: 209-218, 2005. 3. Li, Y.-Y. et.al: Pim-3, a proto-oncogene with serine/threonine kinase activity, is aberrantly expressed in human pancreatic cancer and phosphorylates Bad to block Bad-mediated apoptosis in human pancreatic cancer cell lines. Cancer Res. 66: 6741-6747, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_145478
Molecular Weight	~63kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/pim3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73826